

Filler mix for producing epoxy resin primer and self-levelling material - System product for HADALAN® EBG 13E

Characteristics

HADALAN® FGM003 57M is a special raw material combination with a high packing density. This combination provides good self-levelling properties and high mechanical load capacity in conjunction with suitably matched epoxy resins.

- Easy mixing
- Enables good flow behaviour
- High mechanical load capacity
- Low requirement for binder
- Dust reduced

Use

HADALAN® FGM003 57M allows the production of pourable rough surface levelling, inexpensive and high quality primers as well as self-levelling materials in conjunction with hahne epoxy resins.

In association with **HADALAN® EBG 13E**, especially suitable for the production of vapour damp open scratch and levelling coatings.

Application areas:

- Concrete and screed surfaces
- Industrial floors
- Balconies, terraces, gangways and walkways

Specifications

Packaging	Paper bag
Package	20 kg
Supplied	30 bags/pallet
Colour	grey / nature

Strenghts together with HADALAN® EPUni 12E after 7 days

MR 1 : 1	parts resin : filler	80 N/mm ²
MR 1 : 2	parts resin : filler	80 N/mm ²
MR 1 : 4	parts resin : filler	80 N/mm ²
MR 1 : 8	parts resin : filler	60 N/mm ²
Bulk density		1,54 kg/l
Storage		dry, 24 months

Quantity required

According to the applications

Preparation of the surface

The substrates must be firm, load bearing, free of frost, dust, dirt and other loose particles. The residual moisture depends on the resin system to be applied.

Application

Application with HADALAN® EBG 13E:

To produce vapour damp open levelling compounds in association with HADALAN® EBG 13E, add HADALAN® FGM003 57M to the mixed HADALAN® EBG 13E according following ratio and mix homogeneously.

Scratching coatings for coating thicknesses of 1 - 3 mm:

8,5 kg bonding agent + 20 kg -FGM003 57M

Levelling and self-levelling compounds for coating thicknesses of 3 - 8 mm:

8,5 kg bonding agent + 40 kg -FGM003 57M

Self-compacting filling compounds:

8,5 kg bonding agent + 60 kg -FGM003 57M

The compounds viscosity to be corrected according to the temperature and underground through a water addition of max. 5 % in relation to HADALAN® EBG 13E.

Clean working equipment immediately after use with water. Material that has hardened completely can only be removed mechanically.

Application

Application with HADALAN® EPUni 12E + HADALAN® EG145 13E + HADALAN® VS 12E

1. Stir HADALAN® EPUni 12E with a slow-rotating drilling machine, pour it in another container and briefly stir it again. Next, add HADALAN® FGM003 57M in the desired mixing ratio.

Reference values:

Mixing ratio 1 : 1 to 1 : 2 parts by weight for making pore-closing primers

Mixing ratio 1 : 3 parts by weight for roughness depth evening up to 2 mm

Mixing ratio 1 : 4 parts by weight for roughness depth evening up to 5 mm

Mixing ratio 1 : 5 parts by weight for roughness depth evening > 5 mm

The application and distribution of the compounds can be done with a roller (only for mixing ratio 1 : 1 to 1 : 2), rubber wiper or smoother. With mixing ratios > 1 : 3, pre-priming must first be done with the epoxy resin that is being used, in unfilled setting.

2. Epoxy resins react exothermically. Therefore, the stirred compounds must be processed without delay. The processing time depends on the respective mixing ratio and the ambient temperatures. Depending on the conditions, a processing time of 20 to 45 minutes is available.
3. To make a coloured levelling coating, HADALAN® VS 12E is first stirred with a slow-rotating drilling machine, poured into another container and stirred again briefly. Next, -FGM003 57M in the colour shade 'natural' is added in the desired quantity. Depending on the desired coating thickness, substrate quality and temperature, HADALAN® VS 12E can be filled with -FGM003 57M in a mixing ratio of 1 : 1 to 1 : 1.6 parts by weight.

Guide value consumption for 1 mm coat thickness:

Mixing ratio 1 : 1
 HADALAN® VS 12E 1 kg/m²
 HADALAN® FGM003 57M 1 kg/m²

Mixing ratio 1 : 1.6
 HADALAN® VS 12E 0.83 kg/m²
 HADALAN® FGM003 57M 1.32 kg/m²

The minimum coat thickness is 2 mm. The aforementioned consumption data applies only to substrates with compensated roughness depths. Pre-trials for determining exact consumption are recommended.
4. The levelling compound is poured out uniformly on the substrate and ideally, distributed using the **56 cm trowel** and the **fine serrated trowel**. After 10 to 15 minutes, the compound is ventilated with a spiked roller.
5. In the fresh state, the tools can be cleaned with HADALAN® EPV 38L; once dry, they can only be cleaned mechanically.

hahne system products

HADALAN® EPUni 12E
HADALAN® EG145 13E
HADALAN® VS 12E
HADALAN® EPV 38L
HADALAN® EBG 13E

Important notes

- Epoxy resins react exothermically. High temperatures accelerate and low temperatures slow the setting process.
- To avoid any risk of moisture penetration through the backing, apply **HADALAN® EG145 13E**.
- The surface temperature must be at least 3 °C above the dew point.
- The maximum filling degree and the hardening times depend on the coating thickness and the epoxy resin to be applied upon.
- In the case of connected surfaces without recovering, please only use material with the same lot number.

Ingredients

Mineral fillers, additives

Safety provisions/recommendations

The usual health and safety measures for handling chemicals are to be observed. Suitable protective clothing should be worn.

Disposal

The local waste removal regulations must be observed.

Manufacturer

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